BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

MEASUREMENT BOOK

Name of work:-Annual maintenance of street lights Package - D 2 in Shettyhalli surrounding area ward no 12

Job Code No:-012-22-000005

Agreement No:EE/Ele/DZ/TEND/AGR/000010/2022-23 Date:31.03.2022

Ref no and Date of commencement of work:-:-EE/(Elec)/DZ/TEND/WO/000002/2022-23 Date:04-04-2022

Estimate Amount:Rs. 2900000.00

Administartive Sanction No EE/(Elec)/DZ/TEND/AS/11/2021-22 Date 21-03-2022

Technical Sanction No EE/(Elec)/DZ/TEND/TS/128/2021-22 Date:06-01-2022

Name of Contractror of nature of Agency:- CHIKKANNA G (CHETHAN ELECTRICALS)

Measurement Book No: 3402 Page No: date:

Bill NO :- RA Bill Bill Period :- 1/02/2023 to 28/02/2023

Sl. No.	Description	Unit	Period 1 Month	Present Measurements			
				Qty	Tender Full Rate for 1 year	Rate/Month	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 36/40 W fluorescent tube light street lighting system	Each	1	20	685.45	57.12	1142.40
	No of complaints attended for the period of 01.02.2023 to 28.02.2023						
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 125W HPMV Park lighting system.	Nos	1	68	756.29	63.02	4285.36
	No of complaints attended for the period of 01.02.2023 to 28.02.2023						
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system	Each	1	1884	1019.41	84.95	160045.8
	No of complaints attended for the period of 01.01.2023 to 31.01.2023						
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 400 watts HPSV street light /High mast lighting system.	Each	1	132	1118.08	93.17	12290.44

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

EE (Elec)
DZ

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	No of complaints attended for the period of 01.02.2023 to 28.02.2023						
5	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/ street lighting system.	Each	1	5	880.01	73.33	366.65
	No of complaints attended for the period of 01.02.2023 to 28.02.2023						
6	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street Light lighting system.	Each	1	182	1147.43	95.61	17401.02
	No of complaints attended for the period of 01.02.2023 to 28.02.2023						
7	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system.	Each	1	55	1377.66	114.80	6314.00
	No of complaints attended for the period of 01.02.2023 to 28.02.2023						
8	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for110/120 watt LED street light lighting system	Nos	1	0	1575.5	131.29	0
	No of complaints attended for the period of 01/12/2022 to 31/12/2022						
9	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150/100 watt LED street light /High mast lighting system.	Nos	1	0	1871.51	155.96	0

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	o of complaints attended for the period of 1.02.2023 to 20.02.2023						
	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility.300mmx450mmx214mm	Each	0	0	5127	5127.00	0
11	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps	Each	0	10	7200	7200.00	72000
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 Amps SP	Each	0	11	723	723.00	7953
13	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers	Each	0	13	4030	4030.00	52390

Sl. No	Pole No	Address
1	No Pole Number	# 05, 7th cross, Raghavendra Layout
2	No Pole Number	Opp RailwayGate, Shettihalli, Medrahalli Main Road
3	No Pole Number	# 18, 7th Cross, Medrahalli Colony Road
4	No Pole Number	# 734, 11th Main, 5th cross, AGB Layout
5	No Pole Number	# 34, Srinivasa Nilaya, 1st main, 2nd cross, LV Enclave
6	No Pole Number	Opp R R Nursing Collage, RR Layout, Medrahalli
7	No Pole Number	Opp Drinking Water, Plant, Chikksandra Main Road
8	No Pole Number	Opp Rishi Paints, AYR layot Main Road
9	No Pole Number	#21/22, 2nd Main, 2nd Cross, Anjanadri Layout, Shettihalli
10	No Pole Number	# 14, 4th cross, Krishna nagar, Shettihalli
11	No Pole Number	Opp Durga Provision Store, Medrahalli Colony
12	No Pole Number	# 78, 1st main, 4th cross, Paschim County
13	No Pole Number	# 540, 2nd main, 6th cross, SMR layout, Vinayaka Nagar
14	No Pole Number	Near Krutika Heights, Manjunath Road, Subram Enclave

14	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments 6 sqmm	Mtr	0	0	70	70.00	0
15	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 6 sqmm	Each	0	50	7	7.00	350
	TOTAL						334546.67
	Add GST 12 % on item no 10 to 15						15923.16
	TOTAL Rs						350469.83

ASSTT. EXECUTIVE ENGINEER (E
Bangalore Mahanagara P
Dasarahalli Zone, Bangalore

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							3200.00
	Fine imposed for non burning of street lights For the period of 01/12/2022 to31/12/2022						4037.07
	As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material						343232.76
	GRAND TOTAL						

CERTIFICATE

1.This is to certify that the work done is saticefactorily.
2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Dasarahalli Division

Asst.Exe.Engineer(Elec)
Dasrahalli Division

ASST EXECUTIVE ENGINEER (Elec)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Executive Engineer (Elec)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

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